	Application No.	Applicant(s)
Notice of Allowability	09/725,514	SONG, YOUNG JOON
	Examiner	Art Unit	
	Dmitry Levitan	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *02/06/06*.

2. ☒ The allowed claim(s) is/are *1-9 and 43-82 renumbered as 1-49*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☒ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: *Certified translation of 1999/54097*.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
        Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

Amendment, filed 02/06/06, has been entered.

Allowable Subject Matter

Claims 1-9 and 43-82 are allowed.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Daniel Kim on 02/17/06.

The application has been amended as follows:

Claims 1-9 have been amended as shown in Appendix A.

Note. Claim 1 has been amended to avoid reading on Miller (US 5,367,516) in view of Padovani (US 6,574,211).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dmitry Levitan whose telephone number is (571) 272-3093. The examiner can normally be reached on 8:30 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Chi Pham can be reached on (571) 272-3179. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dmitry Levitan
Patent Examiner
02/22/06

CHI PHAM
SUPERVISORY PATENT EXAMINER

Appendix A.

1.   (Currently Amended) A method for allocating cell ID codes in a mobile communication system of a cellular mode comprising:

generating ID codes using Hadamard codes; and

allocating the generated ID codes to cells which require ID codes, wherein the ID codes are generated by deleting or puncturing at least one bit of the Hadamard codes.

2   (Currently Amended) The method of claim 1, wherein generating the ID codes either by deleting or puncturing first bits bit of the Hadamard codes.

3.   (Original) The method of claim 1, wherein generating the ID codes either by deleting or puncturing first and second bits of the Hadamard codes.

4.   (Original) The method of claim 1, wherein generating the ID codes by deleting first, second and sixth bits of the Hadamard codes.

5.   (Original) The method of claim 1, further comprising:

selecting Hadamard codes in which the first bit of the second half of a code has a bit value of 0; and

generating the ID codes using the selected Hadamard codes.

6.   (Currently Amended) The method of claim 5, wherein generating the ID codes either by deleting or puncturing first bits bit of the Hadamard codes.

7.   (Original) The method of claim 5, wherein generating the ID codes either by deleting or puncturing first and second bits of the Hadamard codes.

8.   (Original) The method of claim 5, wherein generating the ID codes by deleting first, second and sixth bits of the Hadamard codes.

9.   (Original) The method of claim 1, wherein the Hadamard codes have code bit lengths of either 8 or 16.

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